SURFACE TREATMENT FOR MAGNESIUM ALLOYS

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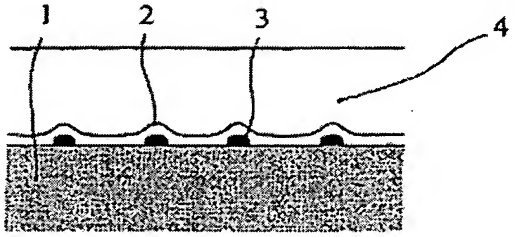
Cited documents:
US4865700
US3625841
US2206028
US4882215

Abstract of **WO0044557**

An article of manufacture made of magnesium alloy can be provided with a surface having excellent corrosion resistance, paint adhesion, and aesthetic properties by coating the magnesium alloy surface with discontinuously spaced chromium metal microparticles and these particles and the remainder of the alloy surface with a continuous coating that comprises hydrated trivalent chromium oxide. Such a surface can be formed by subjecting the magnesium alloy surface to cathodic electrolysis in an acidic aqueous solution that has a pH from 0.5 to 3.0 and contains at least hexavalent chromium containing ions in a concentration from 2 to 100 g/l.



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